

 **Sterne Kessler  
Goldstein Fox**

ATTORNEYS AT LAW

Robert Greene Sterne  
Edward J. Kessler  
Jorge A. Goldstein  
David K.S. Cornwell  
Robert W. Esmond  
Tracy-Gene G. Durkin  
Michele A. Cimbala  
Michael B. Ray  
Robert E. Sokohl  
Eric K. Steffe  
Michael Q. Lee  
Steven R. Ludwig  
John M. Covert  
Linda E. Alcorn  
Robert C. Milonig  
Lawrence B. Bugaisky  
Donald J. Featherstone  
Michael V. Messinger  
Judith U. Kim  
Timothy J. Shea, Jr.

Patrick E. Garrett  
Jeffery T. Helvey\*  
Heidi L. Kraus  
Crystal D. Sayles  
Edward W. Yee  
Albert L. Ferro\*  
Donald R. Banowitz  
Peter A. Jackman  
Molly A. McCall  
Teresa U. Medler  
Jeffrey S. Weaver  
Kendrick P. Patterson  
Vincent L. Capuano  
Albert J. Fasulo II\*  
Eldora Ellison Floyd  
W. Russell Swindell  
Thomas C. Fiala  
Brian J. Del Buono\*  
Virgil Lee Beaton\*  
Reginald D. Lucas\*

Kimberly N. Reddick  
Theodore A. Wood  
Elizabeth J. Haanes  
Bruce E. Chalker  
Joseph S. Ostroff  
Frank R. Cottingham\*  
Christine M. Uhliet  
Rae Lynn Pregarman\*  
Jane Shershenovich\*  
Lawrence J. Carroll\*  
George S. Bardmesser

Senior Counsel  
Samuel L. Fox  
Kenneth C. Bass III

Registered Patent Agents  
Karen R. Markowicz  
Andrea J. Kamage

Nancy J. Leith  
Joseph M. Conrad III  
Ann E. Summerfield  
Helene C. Carlson  
Gaby L. Longworth  
Matthew J. Dowd  
Aaron L. Schwartz  
Angelique G. Uy  
Boris A. Matvenko  
Mary B. Tung  
Katrina Y. Pei  
Bryan L. Skelton  
Jason D. Eisenberg

\*Admitted only in Maryland  
\*Admitted only in Virginia  
\*Admitted only in Texas

June 27, 2002

**WRITER'S DIRECT NUMBER:**

(202) 218-7831

**INTERNET ADDRESS:**

JWEAVER@SKGF.COM

Commissioner for Patents  
Washington, D.C. 20231

**Art Unit 2822**

Re: U.S. Utility Patent Application  
Appl. No. 09/849,537; Filed: May 7, 2001  
For: **Die-Up Ball Grid Array Package With A Heat Spreader and Method  
for Making the Same**  
Inventors: Zhang *et al.*  
Your Ref: BP1718  
Our Ref: 1875.0370000

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Fee Transmittal Form PTO/SB/17;
2. Petition for Extension of Time Under 37 C.F.R. § 1.136(a)(1);
3. Amendment and Reply Under 37 C.F.R. § 1.111;
4. Letter to PTO Draftsman: Submission of Formal Drawings;
5. 7 sheets of Formal Drawings (Figures 1-14);
6. Supplemental Information Disclosure Statement;
7. List of cited references on Form PTO-1449 (20 sheets);

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Commissioner for Patents

June 27, 2002

Page 2

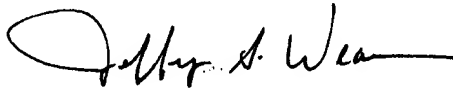
8. Copies of cited references on Form PTO-1449 (AA1-AF1, AJ1, AN1-AR1, AN2-AR2, AN3-AR3, AN4-AR4, AN5-AR5, AN6-AR6, AN7-AR7, AN8-AR8, AN9-AR9, AN10-AR10, AN11-AR11, AN12-AR12, AN13-AR13, AN14-AR14, AN15-AR15, AN16-AR16, AN17-AR17, AN18-AR18, AN19-AR19, and AN20-AP20);
9. Return postcard; and
10. Our check number 35668 for \$722.00 to cover \$432.00 fee for excess claims over 20, \$110.00 fee for one (1) month extension of time, and \$180.00 for late filing of IDS.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Jeffrey S. Weaver  
Attorney for Applicants  
Registration No. 45,608

JSW/asl  
Enclosures

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METHOD OF PAYMENT (check one)				FEE CALCULATION (continued)																																																																																																																																																									
<div>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:</div> <div><div>Deposit Account Number</div><div>19-0036</div></div> <div><div>Deposit Account Name</div><div>Sterne, Kessler, Goldstein &amp; Fox P.L.L.C.</div></div> <div><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17</div> <div><input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27</div>				<div>3. ADDITIONAL FEES</div> <table><thead><tr><th colspan="2">Large Entity</th><th colspan="2">Small Entity</th><th></th></tr><tr><th>Fee Code</th><th>Fee (\$)</th><th>Fee Code</th><th>Fee (\$)</th><th>Fee Description</th></tr></thead><tbody><tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td></tr><tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td></tr><tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td></tr><tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for ex parte reexamination</td></tr><tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td></tr><tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td></tr><tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td></tr><tr><td>116</td><td>400</td><td>216</td><td>200</td><td>Extension for reply within second month</td></tr><tr><td>117</td><td>920</td><td>217</td><td>460</td><td>Extension for reply within third month</td></tr><tr><td>118</td><td>1,440</td><td>218</td><td>720</td><td>Extension for reply within fourth month</td></tr><tr><td>128</td><td>1,960</td><td>228</td><td>980</td><td>Extension for reply within fifth month</td></tr><tr><td>119</td><td>320</td><td>219</td><td>160</td><td>Notice of Appeal</td></tr><tr><td>120</td><td>320</td><td>220</td><td>160</td><td>Filing a brief in support of an appeal</td></tr><tr><td>121</td><td>280</td><td>221</td><td>140</td><td>Request for oral hearing</td></tr><tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td></tr><tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td></tr><tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive - unintentional</td></tr><tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td></tr><tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td></tr><tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td></tr><tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td></tr><tr><td>123</td><td>130</td><td>123</td><td>130</td><td>Petitions related to provisional applications</td></tr><tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td></tr><tr><td>581</td><td>40</td><td>481</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td></tr><tr><td>146</td><td>740</td><td>246</td><td>370</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td></tr><tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td></tr><tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td></tr><tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td></tr></tbody></table> <div>Other fee (specify) : Other fee (specify) :</div> <div>Registration No. (Attorney/Agent) 45,608 Telephone 202-371-2600</div>				Large Entity		Small Entity			Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	105	130	205	65	Surcharge - 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<div>2. <input checked="" type="checkbox"/> Payment Enclosed:</div> <div><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other*</div> <div>*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.</div> <div>FEE CALCULATION</div> <div>1. BASIC FILING FEE</div> <table><thead><tr><th>Large Fee Code</th><th>Entity Fee (\$)</th><th>Small Fee Code</th><th>Entity Fee (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101</td><td>740</td><td>201</td><td>370</td><td>Utility filing fee</td><td></td></tr><tr><td>106</td><td>330</td><td>206</td><td>165</td><td>Design filing fee</td><td></td></tr><tr><td>107</td><td>510</td><td>207</td><td>255</td><td>Plant filing fee</td><td></td></tr><tr><td>108</td><td>740</td><td>208</td><td>370</td><td>Reissue filing fee</td><td></td></tr><tr><td>114</td><td>160</td><td>214</td><td>80</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="5">SUBTOTAL (1) (\$)</td><td></td></tr></tbody></table> <div>2. EXTRA CLAIM FEES</div> <table><thead><tr><th>Extra</th><th>Fee from below</th><th>Fee Paid</th></tr></thead><tbody><tr><td>Total Claims 61 - 37** = 24 X 18 =</td><td></td><td>\$432.00</td></tr><tr><td>Indep. Claims 3 - 3** = 0 X 0 =</td><td></td><td>0</td></tr><tr><td>Multiple Dependent 0 =</td><td></td><td>0</td></tr></tbody></table> <div>Fee Description</div> <table><thead><tr><th>Large Fee Code</th><th>Entity Fee (\$)</th><th>Small Fee Code</th><th>Entity Fee (\$)</th><th>Fee Description</th></tr></thead><tbody><tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr><tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3</td></tr><tr><td>104</td><td>280</td><td>204</td><td>140</td><td>Multiple dependent claim</td></tr><tr><td>108</td><td>84</td><td>209</td><td>42</td><td>**Reissue independent claims over original patent</td></tr><tr><td>110</td><td>18</td><td>210</td><td>9</td><td>**Reissue claims in excess of 20 and over original patent</td></tr></tbody></table> <div>SUBTOTAL (2) (\$)</div> <div>432.00</div>				Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	101	740	201	370	Utility filing fee		106	330	206	165	Design filing fee		107	510	207	255	Plant filing fee		108	740	208	370	Reissue filing fee		114	160	214	80	Provisional filing fee		SUBTOTAL (1) (\$)						Extra	Fee from below	Fee Paid	Total Claims 61 - 37** = 24 X 18 =		\$432.00	Indep. Claims 3 - 3** = 0 X 0 =		0	Multiple Dependent 0 =		0	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	103	18	203	9	Claims in excess of 20	102	84	202	42	Independent claims in excess of 3	104	280	204	140	Multiple dependent claim	108	84	209	42	**Reissue independent claims over original patent	110	18	210	9	**Reissue claims in excess of 20 and over original patent	<div>RECEIVED JUL - 2 2008 TECHNOLOGY CENTER 800</div> <div>SUBTOTAL (3) (\$)</div> <div>290.00</div>																																																																					
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<div>SUBMITTED BY</div> <div>Name (Print/Type) Jeffrey S. Weaver</div>				<div>Complete (if applicable)</div> <div>Registration No. (Attorney/Agent) 45,608 Telephone 202-371-2600</div>																																																																																																																																																									